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A CATALOGUE OF THE DIPTERA OF SOUTH AMERICA.

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Part I, Bibliography and Nemocera.

INTRODUCTORY.

For many years the study of the Diptera of South America has been impeded by the lack of a catalogue of the described species. The reader may gain an idea of the almost hopeless difficulty of identifying species by a glance at the bibliography, which contains more titles than did the bibliography of the North American Diptera, published in 1878, after more than twenty years of work and publication by Osten Sacken and Loew. Moreover, practically no groups have been monographed for that continent, and but very few for even a small district of it. A catalogue has become an absolute necessity.

The history of the cataloging of the Diptera of South America, up to the present time, is very brief. Dr. Williston has catalogued the species of the two families, Syrphidæ and Asilidæ, in the TRANSACTIONS of this Society,* and Townsend has likewise treated the *Calyptrate muscidæ* in the Annals of the New York Academy of Sciences.† Outside of these no attempt has been made to catalogue the species of any group of the South American fauna. Some years ago, however, Enrique Lynch Arribalzaga planned in an excellent manner a complete catalogue; but the plan was changed eventually so as to include only the valley of the river Plata. The untiring pains that characterizes this work, as it does all of the writings of Enrique Arribalzaga, makes it very much to be regretted that this catalogue was interrupted, as happened when the genus *Midas* was reached, and has remained incompleted. It should also be mentioned in this connection that the venerable Osten Sacken at one time started the preparation of a list of all of the exotic species of Diptera, and in the Berliner Entomologische Zeitung, for 1883, states that he hoped to complete and publish the portion dealing with the *Nemocera* soon. The advancing age of the writer has, unfortunately, prevented the realization of his hopes.

* Syrphidæ, xiii, 1886, pp. 308-324; Asilidæ, xviii, 1891, pp. 67-91.

† VII, 1892, pp. 1-44.

The present part will be followed in these TRANSACTIONS by portions dealing with the subsequent natural groups of the order. The next will include the species of the group *Homodactyla* in the sense of Brauer.

The territory covered by this catalogue is the Continent of South America north to the Isthmus of Panama, with the neighboring islands. This brings about the inclusion of the Island of St Vincent, which, although properly of the West Indian group, is not sufficiently separated from that continent to offer tangible faunal differences. It must be admitted that, in some respects, it would have been desirable to have included in this catalogue all of the West Indian and Central American species, so that with the catalogue of Osten Sacken's the whole of the two continents would have been covered. There are reasons, however, for not doing this. In the first place Osten Sacken's catalogue of 1878 included the species described up to that time from the West Indies and Mexico. At this time, the writers of the Diptera volumes of the *Biologia Centrali-Americana*, Williston, Osten Sacken and v. d. Wulp have furnished lists of all the species of Mexico and Central America. Moreover, in the present state of the science, nothing more than a recataloguing of these species would have been possible. St. Vincent is included not only because it is virtually an integral part of South America, but also because a great deal has been written concerning its fauna since the works mentioned were published. Thus it will be seen that with the catalogue of 1878, the *Biologia Centrali-Americana*, and the present work, the American continents will be covered.

The system of classification and arrangement of the families is a combination of two. For the *Brachycera* Brauer has been followed, save in the one respect of admitting the family Cœnomyidæ; and for the *Nemocera* the system suggested by Osten Sacken in the Entomologist's Monthly Magazine for May, 1891, pp. 35-39, has been adopted. In the present chaotic state of the classification of the Diptera, to accept what appears to be best from various sources, seems a defensible procedure.

Notwithstanding recent activity in the recognizing of the species described by Walker, I have invariably placed the names applied by that writer, excepting those that have been recognized, at the end of the families to which they are supposed to belong. Although

admitting the strength of the statement that the descriptions of Walker are not very much worse than those of some other writers, it is the opinion of the writer that, as Osten Sacken has demonstrated, they mean nothing. Very often several genera or even families are represented in the types of a single species. Other writers have made their mistakes, and poor and incomplete descriptions are in abundance, but no others have habitually been guilty of furnishing a description of portions of the anatomy of several species, under a name that dipterologists must now attempt to fix upon one species, in addition to the offense of faulty characterization. To place the unrecognized descriptions of this writer at the end of the various families seems to afford him as much consideration as he deserves.

It was formerly the practice of entomologists not to hesitate because they did not know from what quarter of the earth a specimen before them might have come, but to describe it forthwith. The number of such descriptions burdening the literature of Dipterology is considerable, and many doubtless apply to South American species. In this catalogue, for the convenience of the student of the South American forms, as well as of exotic Diptera in general, pains have been taken to bring all these together. They are placed at the end of the families.

At all times the writer has been under the greatest obligation to Dr. Williston. If it were not for the generous loan of any and all books in his library, including many obscure papers that it would have been impossible to obtain through the regular channels, this work could not even have been contemplated. Mr. Hugo Kahl, of the University of Kansas, has as kindly furnished most valuable assistance. He has called attention to some almost inaccessible descriptions that would probably otherwise have been missed, has offered critical suggestions on certain points, and has loaned books from his own private library. None less are thanks due to Dr. L. O. Howard for sending books from the library of the U. S. Department of Agriculture.

The writer wishes to disclaim any idea of furnishing a finality. This catalogue is preliminary, and like the catalogue of 1858 of the North American species, in no sense critical. The greatest effort has been to include all of the existing descriptions, and the writer begs anyone who notices omissions or has other criticisms to bring them to his attention.

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DIPTERA.

Suborder ORTHORRHAPHA.

Section Nemocera.

Nemocera vera.

Family CECIDOMYIIDÆ.

CECIDOMYIA.

Meigen, Illiger's Mag., 1803.

- flavida* Blanch. Gay, Hist. Chile Zool. vii, 350. Philippi, chil. Dipt. 628.—Chile.
 ? *fuscaneoscens* Phil. chil. Dipt. 628.—Chile.

DIPLOSIS.

Loew, Dipt. Beitr. iv, 20, 1850.

- pictipes* Will. Dipt. St. Vincent, 253.—St. Vincent.
 sp. Will. Dipt. St. Vincent, 254, pl. viii, f. 1.—St. Vincent.
 sp. Will. Dipt. St. Vincent, 254.—St. Vincent.
 ? sp. Will. Dipt. St. Vincent, 254, pl. viii, f. 2.

ASPHONDYLIA.

Loew, Beitr. iv, 20, 1850.

- sp. v. d. Wulp Tijdschr. Ent. xxiv, 142.—Argentina.

LASIOPTERA.

Meigen, Syst. Besch. i, 70, 1851.

- furcata* Phil. chil. Dipt. 631.—Chile.

- hieronymi* Weyb. An. Agr. de la Rep. Arg. iii, 165; id. Per. Zool. iii, 62, 1878.
 F. Lynch A. Cat. 3.—Córdoba and Santa Fé in Argentina.
pallipes Phil. chil. Dipt. 630.—Chile.

WINNERTZIA.

Rondani, Dipt. Ital. Prodr. 1856.

- Shiner, Dipt. Novara, 3, has considered this genus the same as *Asynapta* Loew.
 sp. Will. Dipt. St. Vincent, 254, pl. viii, f. 6.—St. Vincent.

MIASTOR.

Meinert, Nat. Tijdschr. 3 R. iii, 156, 1864.

sp. Will. Dipt. St. Vincent, 254, pl. viii, f. 4, 4a.—St. Vincent.

HAPLUSA.

Karsch, Rev. Gallmücken, 15, 1878.

sp. Will. Dipt. St. Vincent, 254, pl. viii, f. 5.—St. Vincent.

LESTREMIA.

Macquart. Vide Meigen, Syst. Besch. vi, 308, 1830.

nigra Blanch. Gay, Hist. Chil. Zool. vii, 349. Philippi, chil. Dipt. 628.—Chile.

TRICHOPTEROMYIA.

Williston, Trans. Ent. Soc. Lond. 1896, pt. iii, 255.

modesta Will. Dipt. St. Vincent, 255, pl. viii, f. 6, 6a, 6b.—St. Vincent.

SPECIES DESCRIBED BY WALKER.

Cecidomyia umbra Walk. Dipt. Saund. v, 421.—South America.

Dasyneura (= *Cecidomyia* [Schiner]) *nebulosa* Walk. List, iv, 1076. ?

Family MYCETOPHILIDÆ.**MYCETOBIA.**

Meigen, Syst. Besch. i, 179, 1851.

? *fulva* Phil. chil. Dipt. 626.—Chile.

DITOMYIA.

Winnertz, Stett. Ent. Zeit. vii. 15, 1852.

incerta Bigot, Miss. Cient. Cap Horn, Zool. vi, 16, 24, 1883. F. Lynch A. Bol.

Acad. Nac. Cien. xii, 61.—Argentina.

PLESIASTINA.

Winnertz, Stett. Ent. Zeit. 1852, 55.

Centrocnemis Philippi, chil. Dipt. 619, 1865 (Schiner).

stigmata Phil. chil. Dipt. 619 (*Centrocnemis*).—Chile.

MACROCERA.

Meigen, Illiger's Mag. ii, 261, 1803.

concinna Will. Dipt. St. Vincent, 255, pl. viii, f. 7.—St. Vincent.

testacea Phil. chil. Dipt. 617, F. Lynch A. Bol. Acad. Nac. Cien. xiii, 32.—Chile, Argentina.

Thomsonii F. Lynch A. Bol. Acad. Nac. Cien. xii, 31; id. Cat. 8, 12.

Macrocera fascipennis Thomson, Dipt. Eugen. Resa, 448, 1868 non Staeger, 1845 (F. Lynch A.).—Patagonia.

valdiviana Phil. chil. Dipt. 617.—Chile.

PLATYURA.

Meigen, Illiger's Mag., ii, 264, 1803.

autumnalis F. Lynch A. Bol. Acad. Nac. C. xii, 59.—Argentina.

- fasciventris* Will. Dipt. St. Vincent, 258, pl. viii, f. ii.—St. Vincent.
ignobilis Will. Dipt. St. Vincent, 557, pl. viii, f. 9.—St. Vincent.
macilenta F. Lynch A. Bol. Acad. Nac. C. xii, 58.—Argentina.
Miersii Westwood, Trans. Ent. Soc. Lond. v, p. 3, pl. xxiii, f. 3 (*Platyroptilon* West.).—Brazil.
parva Will. Dipt. St. Vincent, 257.
pictipennis Will. Dipt. St. Vincent, 257, pl. viii, f. 10.—St. Vincent.
rubens Wied. Auss. zw. Ins. i, 60. Macq. Dipt. Exot. i, 1, 82.—Brazil.
subannulata Phil. chil. Dipt. 620.—Chile.

CEROPLATUS.

- Bosc, Act. de la Soc. d'Hist. Nat. de Paris, i, 1, 42, 1792.
longimanus Will. Dipt. St. Vincent, 258, pl. viii, f. 12.—St. Vincent.
obscurus Phil. chil. Dipt. 618, pl. xxiii, f. 8.—Chile.

NEOEMPHERIA.

- Osten Sacken, Cat. 1878, 9, vice *Empheria* Winnertz, Pilzm. 102 (738), 1863, preoc.
maculipennis Will. Dipt. St. Vincent, 262, pl. viii, f. 16.—St. Vincent.
varipennis F. Lynch A. Bol. Acad. Nac. C. xii, 49 (*Empheria*); id., p. 64.—Argentina.

SCIOPHILA.

Meigen, Syst. Besch. i, 245, 1818.

- aberrans* Phil. chil. Dipt. 625.—Chile.
americana Schiner, Dipt. Novara, 14.—South America.
antarctica Walker, Trans. Linn. Soc. Lond. xvii, 334, 8, 1837. F. Lynch A. Cat. 9, 18; id. Bol. Acad. Nac. C. xii, 45.
 ? *Sciophila vernalis* Phil. chil. Dipt. 624, 1865 (F. Lynch A.).—Patagonia.
australis Phil. chil. Dipt. 625.—Chile.
calopus Bigot, Dipt. Miss. Cap Horn, 14, pl. iii, f. 3.—Cape Horn.
chilensis Blanch. Gay, Hist. Chil. Zool. vii, 347 (1852). Phil. chil. Dipt. 624. Bigot, Dipt. Miss. Cap Horn, Zool. vi, 13, (1883). F. Lynch A. Bol. Acad. Nac. C. xii, 47.—Chile and Argentina.
clavata F. Lynch A. Bol. Acad. Nac. C. xii, 43.—Argentina.
diluta Will. Dipt. St. Vincent, 263, pl. viii, f. 17.—St. Vincent.
formosensis F. Lynch A. Bol. Acad. Nac. C. xii, 42.—Argentina.
infrma F. Lynch A. Bol. Acad. Nac. C. xii, 46.—Argentina.
obsoleta Blanch. Gay, Hist. Chil. Zool. vii, 347. Phil. chil. Dipt. 642.—Chile.
ocreator Phil. chil. Dipt. 625.—Chile.
præcox Phil. chil. Dipt. 624.—Chile.
pusilla Phil. chil. Dipt. 625.—Chile.
thoracica Phil. chil. Dipt. 624.—Chile.
tristis Bigot, Miss. Cient. Cap Horn, Zool. vi, 13, 18, pl. iii, f. 2 (1883). F. Lynch A. Bol. Acad. Nac. C. xii, 47.—Argentina.
valdiviana Phil. chil. Dipt. 624.—Chile.

LASISOMA.

- Winnertz, Mongr. Pilzmücken, 748, 1863.
paranensis F. Lynch A. Bol. Acad. Nac. xii, 39.—Argentina.

TETRAGONEURA.

Winnertz, Stett. Ent. Zeit. 1846, 18.

calopus Bigot, Miss. Cient. Cap Horn, Zool. vi, 14, 19, pl. iii, f. 3 (1883). F. Lynch A. Bol. Acad. Nac. C. xii, 48 (*Sciophila*).—Argentina.

PHTHINIA.

Winnertz, Pilzmücken, 143, (779), 1863.

fraudulenta Will. Dipt. St. Vincent, 263, pl. viii, f. 18.—St. Vincent.

BOLETINA.

Staeger, Kröy. Tijdschr. 234, 1840.

Leptomorphus Walker, List, 87 (1848), (F. Lynch A.).

obscuriventris Bigot, Dipt. Miss. Cap Horn, 13, 16 (1883). F. Lynch A. Bol. Acad. Nac. C. xii, 52.

LEIA.

Meigen, Syst. Besch. 197, 1851.

bilunula Wied. Auss. zw. Ins. i, 5. Macq. Dipt. Exot. i, 1, 81.—Brazil.

nubilipennis Walker, Trans. Linn. Soc. Lond. xvii, 334, 9 (1837). F. Lynch A.

Cat. 9, 19 (1882); id. Bol. Acad. Nac. C. xii, 34.—Patagonia.

? *pæcilopectera* Phil. chil. Dipt. 623.—Chile.

GNORISTE.

Meigen, Syst. Besch. i, 1818.

chilensis Phil. chil. Dipt. 620, pl. xxviii, f. 9.—Chile.

NEOGLAPHYROPTERA.

Osten Sacken, Cat. 1878, vice *Glaphyroptera*.

Winnertz, Pilzmücken, 145 (781), 1863, preoc.

antarctica Bigot, Miss. Cap Horn, Zool. vi, 12, 15, pl. iii, f. 1 (1883), (*Boletina*).

F. Lynch A. Bol. Acad. Nac. C. xii, 51 (*Boletina*); ibid. 64 (*Neoglaphyroptera*).—Argentina.

bipartita F. Lynch A. Bol. Acad. Nac. C. xii, 35 (*Glaphyroptera*).—Argentina.

concinna Will. Dipt. St. Vincent, 259. — St. Vincent.

flavoscutellata F. Lynch A. Bol. Acad. Nac. C. xii, 36 (*Glaphyroptera*).—Argentina.

nigrospleniata F. Lynch A. Bol. Acad. Nac. C. xii 37 (*Glaphyroptera*).—Argentina.

nitens Will. Dipt. St. Vincent, 259, pl. viii, f. 13.—St. Vincent.

MANOTA.

Will. Dipt. St. Vincent, 1896.

defecta Will. Dipt. St. Vincent, 260, pl. viii, f. 14.—St. Vincent.

PROBOLÆUS.

Will. Dipt. St. Vincent, 1896.

singularis Will. Dipt. St. Vincent, 261, pl. viii, f. 15, 15a, 15b, 15c.—St. Vincent.

ACNEMIA.

Winnertz, Pilzmücken, 1863.

Agaricobia Philippi, chil. Dipt. 626, 1865 (*Schiner*).

fulvicollis Phil. chil. Dipt. 626, pl. xxiv, f. 11 (*Agaricobia*).—Chile.

MYCETOPHILA.

Meigen, Illiger's Mag., ii, 263, 1803.

- apicata* Phil. chil. Dipt. 622.—Chile.
atricornis Phil. chil. Dipt. 632.—Chile.
cognata Phil. chil. Dipt. 621.—Chile.
dolosa Will. Dipt. St. Vincent, 264, pl. viii, f. 20.—St. Vincent.
fascipennis Phil. chil. Dipt. 621.—Chile.
heteroneura Phil. chil. Dipt. 622.—Chile.
insipiens Will. Dipt. St. Vincent, 264, pl. viii, f. 19.—St. Vincent.
nigriventris Phil. chil. Dipt. 623.—Chile.
nodulosa Will. Dipt. St. Vincent, 264, pl. viii, f. 20.—St. Vincent.
obscuripennis Blanch. Gag. Host. Chil. Zool. vii, 546. Phil. chil. Dipt. 621.—Chile.
ornatipennis Blanch. Gay. Hist. Chil. Zool. vii, 344. Phil. chil. Dipt. 621.—Chile.
punctipennis Blanch. Gay. Hist. Chili. Zool. vii, 345. Phil. chil. Dipt. 621.
viticollis Blanch. Gay. Hist. Chil. Zool. vii, 345. Phil. chil. Dipt. 621.—Chile.
volitans F. Lynch A. Bol. Acad. Nac. C. xii, 55.—Argentina.
 sp. Roeder, Dipt. Stuebel, 4.—Ecuador.
 sp. Roeder, Dipt. Stuebel, 4.—Ecuador.

HYBOSCIARA.

Rübsaamen, Berl. Ent. Zeit. 1894, 28.

- gigantea* Rübs. l. c. 28.—Colombia.

PSEUDOSCIARA.

Schiner, Dipt. Novara, 13, 1868.

- hirtella* Schiner, Dipt. Novara, 14.—Colombia.

RHYNCHOSCIARA.

Rübsaamen, Berl. Ent. Zeit. 1894, 29.

- villosa* Rübs. l. c. 29, pl. iii, f. 24.—Venezuela, Colombia.

SCIARA.

Meigen, Illiger's Mag. ii, 263, 1803.

- æqualis* Rübs. Berl. Ent. Zeit. 1894, 35, pl. ii, f. 9; iii, f. 6.—Bogota.
americana Wied. Dipt. Exot. i, 33; id. Auss. zw. Ins. i, 68. Schiner, Dipt. Novara, 11. Roeder, Dipt. Stübel, 4. Osten Sacken, Biol. C. A. Dipt. i, 1.—Brazil, Colombia, Nicaragua, Costa Rica, Guatemala.
atomaria F. Lynch A. Bol. Acad. Nac. C. xii, 28.—Argentina.
atra Macq. Dipt. Exot. i, 1, 82; id. Suppl. ii, 2 (iii), 167. Bellardi, Dipt. Mess. i, 12. Osten Sacken, Cat. 1878, 12. F. Lynch A. Cat. 9, 17, 21; id. Bol. Acad. Nac. C. 117, 17, 21. Rondani, Oss. Esap. Ditt. 194. Roeder, Dipt. Stuebel, 4. F. Lynch A. Bol. Acad. Nac. C. xii, 28.
Sciara præcipua Walk. List, i, 103 (F. Lynch A.).
Plecia funebris F. Lynch A. (nec. Fabr. nec. Wied.), Nat. Arg. i, 294, 4; id. sepr. 7, 4 (F. Lynch A.).—Brazil, Cayenne, Argentina, Mexico.
cognata Walk. Cat. i, 103; id. Dipt. Saund. v, 419. Roeder, Dipt. Stuebel, 4.—Brazil, Ecuador, Madeira.

- concinna* Will. Dipt. St. Vincent, 266.—St. Vincent.
costalis Wied. Auss. zw. Ins. i, 68. Schiner, Dipt. Novara, ii.—Brazil.
debilis Will. Dipt. St. Vincent, 266, pl. viii, f. 22.—St. Vincent.
delecta Will. Dipt. St. Vincent, 267.—St. Vincent.
diminutiva Phil. chil. Dipt. 627.—Chile.
domestica Phil. chil. Dipt. 627.—Chile.
fasciata Walk. Ins. Saund. i, 419. Schiner, Dipt. Novara, 13.—Colombia, Brazil.
fuliginosa Blanch. Gay. Hist. Chil. Zool. vii, 348. Phil. chil. Dipt. 627.—Chile.
fulviventris Wied. Dipt. Exot. i, 44, 6; id. Auss. zw. Ins. i, 67.—“America.”
germana Will. Dipt. St. Vincent, 266, pl. viii, f. 21.—St. Vincent.
gigantea Macq. Dipt. Exot. Suppl. i, 147. Rond. Oss. Esap. Ditt. 194.—New Granada, Venezuela.
heteropus Phil. chil. Dipt. 627.—Chile.
infuscatipennis Blanch. Gay. Hist. Chil. Zool. vii, 348. Phil. chil. Dipt. 627.—Chile.
leptogaster Schiner, Dipt. Novara, 13.—Colombia.
marginalis Roeder, Dipt. Stuebel, 4.—Colombia.
mœbinsi Rübs. Berl. Ent. Zeit. 1894, 33, pl. i, f. 9; iii, f. 1.—Colombia.
nigrina Rübs. Berl. Ent. 1894, 25, pl. i, f. 12; iii, f. 2.—Colombia.
pallipes Blanchard, Gay's Hist. Chil. Zool. vii, 348. Rübsaamen, Berl. Ent. Zeit. 1894, 23, suggests *chilensis* for *pallipes*, which has been employed by Fabricius (Syst. Ent. iv, 243) for a *Sciara*.—Chile.
pygophora Schiner, Dipt. Novara, 13.—Colombia.
striatipennis Schiner, Dipt. Novara, 12.—Colombia.
vespertilio Schiner, Dipt. Novara, 12.—South America.
zygoneura Will. Dipt. St. Vincent, 267, pl. viii, f. 23.—St. Vincent.
 sp. Will. Dipt. St. Vincent, 267.—St. Vincent.
 sp. Roeder, Dipt. Stuebel, 4.—Ecuador.
 sp. Roeder, Dipt. Stuebel, 4.—Ecuador.
 sp. Roeder, Dipt. Stuebel, 4.—Ecuador.
 sp. Roeder, Dipt. Stuebel, 4.—Ecuador.

TRICHOSIA.

Winn. Mongr. Sciarinen, 1867.

- melanocephala* Fabr. Syst. Antl. 60, 16. Wied. Dipt. Exot. i, 33, 2; id. Auss. zu. Ins. i, 69 (*Sciara*). Rübs. Berl. Ent. Zeit. 1894, 23, pl. iii, 621.—Surinam.

CNEPHÆOPHILA.

Philippi, chil. Dipt. 628, 1865.

- fenestralis* Phil. chil. Dipt. 618.—Chile.

METANGELA.

Rübsaamen, Berl. Ent. Zeit. 1894, 24.

- calliptera* Rübs. l. c. 24, pl. ii, f. 3; iii, f. 17.—Brazil.

ZYGONEURA.

Meigen, Syst. Besch. vi, 304, 1830.

- sciastica* Will. Dipt. St. Vincent, 268, pl. viii, f. 24, 24a.—St. Vincent.

SPECIES DESCRIBED BY WALKER.

Nov. Gen. *Leiæ similis* et n. sp. Walker, Trans. Linn. Soc. London, xvii, 1837, 335.—Straits of Magellan.

Platyura ? insolita Walk. Trans. Linn. Soc. Lond. xvii, 335.—Chile.

Sciara antica Walk. Dipt. Saund. v, 419.—Amazon region.

Sciara primogenita Walk. Dipt. Saund. v, 418.—Cayenne. ?

Sciara propinqua Walk. List, i, 1, 104.—Habitat unknown.

Family CULICIDÆ.

MEGARRHINA.

Rob. Desvoidy, Essai, etc., Mem. Soc. d'Hist. Nat. Paris, iii, 412, 1827.

hæmorrhoidalis Fabr. Ent. Syst. iv, 40 (*Culex*); id. Syst. Antl. 25, 8 (*Culex*). Wied. Dipt. Exot. i, 6 (*Culex*); id. Auss. zw. Ins. i, 2, 2 (*Culex*). Macq. Hist. Dipt. Suit. Buff. 1, 33, i (*Culex*). Rob. Des. Essai Culic. iii, 412, i (*Megarhinus*). Rondani et Baudi, Studi Ent. 108, 86. Rondani, Esame Ditt. Bras. 48 (*Megarhinus*). Macq. Dipt. Exot. i, 1, 32, pl. i, f. 1 (*Megarhina*). Walker, List, i, 1 (*Megarhina*). F. Lynch A. Dipt. Arg. 1891, 32, pl. iv, f. 1 (Revista del Mus. de la Plata, Tomo, i).—Brazil, Argentina, Cayenne.

portoricensis Roeder, Stett. Ent. Zeit. 1885, 337. Will. Dipt. St. Vincent, 270, pl. viii, f. 28, 28a.—Porto Rico, St. Vincent.

separata F. Lynch A. Dipt. Arg. Culicidæ, 33.—Argentina.

ANOPHELES.

Meigen, Syst. Besch. i, 10, 1818.

albitarsis F. Lynch A. Descr. tres nuevos Culic. de Bs. As. in Natur., Arg. i, 150, i. F. Lynch A. Cat. 6, 6. F. Lynch A. Bol. Acad. Nac. C. iv, 114, 6; id. Dipt. Arg. Culicidæ, 36, pl. iv, f. 2.—Argentina.

annulipalpis F. Lynch A. Nat. Arg. i, 149, 1; id. Dipt. Arg. Culicidæ, 37. F. Lynch A. Bol. Acad. Nac. C. iv, 114, 6; id. Cat. 6, 6, 10.—Argentina.

annuliventris Blanch. Gay. Hist. Chil. Zool. vii, 334. Phil. chil. Dipt. 597.—Chile.

HÆMAGOGUS.

Williston, Dipt. St. Vincent, 1896.

splendens Will. Dipt. St. Vincent, 272, pl. ix, f. 31, 31a, 31b, 31c.—St. Vincent.

PSOPHORA.

Rob. Desvoidy, Essai Culicidæ. 412, 1827.

ciliata Fabr. Ent. Syst. iv, 401 (*Culex*); id. Syst. Antl. 35, 10 (*Culex*). Coqueb. Ill. Icon. Ins. 121, pl. 27, f. 7 (*Culex*). Wied. Dipt. Exot. 36, 39; id. Auss. zw. Ins. i, 3, 5 (*Culex*). St. Farg. et Serv. Encycl. Method. x, 685 (*Culex*). Macq. Suit. Buff. i, 36, 15 (*Culex*); id. Dipt. Exot. Suppl. iv, 11, pl. i, f. 1 (*Culex*). Walk. List, i, 2 (*Culex*). Osten Sacken, Cat. 1878, 18 (*Culex*). Rob. Des. Culic. 412, i (*Psorophora*). Walk. List, i, 2 (*Psorophora*). F. Lynch A. Cat. 6, 8; id. Bol. Acad. Nac. C. iv, 114, 8. F. Lynch A. Dipt. Arg. Culicidæ, 40, pl. iv, f. 3.

Culex molestus Wied. Dipt. Exot. 7, 4 (F. Lynch A.).

Culex conterrens Walk. Dipt. Saund. 427 (F. Lynch A.).—North America, Honduras, Argentina.

Holmbergii F. Lynch A. Dipt. Arg. Culicidæ, 42.—Argentina.

OCHLEROTATUS.

F. Lynch A. Dipt. Arg. Culicidæ, 43, 1891.

albifasciatus Macq. Dipt. Exot. i, 39, 4 (*Culex*). F. Lynch A. Dipt. Arg. Culicidæ, 44, pl. iv, f. 4.

? *Culex vittatus* Phil. chil. Dipt. 596 (nec Bigot), (F. Lynch A.).—Brazil, Chile, Argentina.

confimatus F. Lynch A. Dipt. Arg. Culicidæ, 46.—Argentina.

TÆNIORHYNCHUS.

F. Lynch A. Dipt. Arg. Culicidæ, 47, 1891.

tæniorhynchus Wied. Dipt. Exot. 43, i (*Culex*); id. Auss. zw. Ins. i, 8, 14 (*Culex*). Walk. List, i, 3 (*Culex*). Schiner, Dipt. Novara, 31 (*Culex*). Osten Sacken, Cat. 1878, 18 (*Culex*). F. Lynch A. Bol. Acad. Nac. C. iv, 113, 6. F. Lynch A. Dipt. Arg. Culicidæ, 48.

Culex damnosus Say, Jour. Acad. Nat. Sci. Phil. iii, 11, 3; id. Compl. Wrts. ii, 40 (F. Lynch A.).

Culex titillans Walker, List, i, 5 (F. Lynch A.).

Culex sollicitans Walker, Dipt. Saund. 427 (F. Lynch A.).—North America, Mexico, Honduras, Argentina.

confinnis F. Lynch A. Dipt. Arg. Culicidæ, 49.—Argentina.

fasciolatus F. Lynch A. Dipt. Arg. Culicidæ, 50.—Argentina.

JANTHINOSOMA.

F. Lynch A. Dipt. Arg. Culicidæ, 52, 1891.

disrucians Walk. Dipt. Saund. 430 (*Culex*). F. Lynch A. Cat. 4, 2; id. Bol. Acad. Nac. C. iv, 112 (*Culex*). F. Lynch A. Dipt.

? *oblita* F. Lynch A. Dipt. Arg. Culicidæ, 54.—Argentina.

HETERONYCHA.

F. Lynch A. Dipt. Arg. Culicidæ, 55, 1891.

dolosa F. Lynch A. Dipt. Arg. Culicidæ, 56.—Argentina.

CULEX.

Linne, Fauna Suecica, 1761.

æstuans Wied. Aass. zw. Ins. i, 11, 20.—Brazil.

annuliferus Blanch. Gay. Hist. Chil. Zool. vii, 333. Phil. chil. Dipt. 595.—Chile.

apicinus Phil. chil. Dipt. 596.—Chile.

articularis Phil. chil. Dipt. 596.—Chile.

cilipes Fabr. Syst. Antl. 34, 3. Wied. Auss. zw. Ins. i, 5, 7.—South America.

cingulatus Fabr. Syst. Antl. 36, 11. Wied. Auss. zw. Ins. i, 7, 12.—S. America.

cyaneus Fabr. Syst. Antl. 35, 9. Wied. Auss. zw. Ins. i, 6, 10.—South America.

disrucians Walk. Dipt. Saund. v, 430. F. Lynch A. Cat. 112 (4).—South America, Buenos Aires.

digitatus Rond. Esame Ditt. Bras. 49.—Brazil.

ferox Wied. Aus. zw. Ins. i, 1. Macq. Dipt. Exot. Suppl. i, 135, pl. i, f. 1.—Brazil.

flavipes Macq. Dipt. Exot. i, 1, 39, 5.—Blanch. Gay. Hist. Chil. Zool. vii, 332, i, pl. i, f. 1. Phil. chil. Dipt. 595. E. Lynch A. An. Soc. Cient. Arg. x, 6, 1; id. Cat. 4, 3; id. Bol. Acad. Arg. iv, 112. F. Lynch A. Dipt. Arg. Culicidæ, 59, pl. iv, f. 7, 7a.

Culex serotinus Phil. chil. Dipt. 595 (F. Lynch A.).

Culex molestus Kollar, Bras. Läst. Ins. 187, f. 13. Walk. Trans. Linn. Soc. Lond. xvii, 33 (nec Wied. F. Lynch A.).—Chile, Argentina.

fulvus Wied. Auss. zw. Ins. i, 546.—Brazil.

marmoratus Phil. chil. Dipt. 597.—Chile.

molestus * Walk. Trans. Linn. Soc. Lond. xvii, 331. E. Lynch A. Cat. 112 (4). Kollar, Bras. Last. Ins. 18, f. 13.—Montevideo, Brazil.

mosquito Rob. Des. Essai, 390. Macq. S. a B. i, 35, 8. Guerin, Genera, 2, 9, pl. ii, f. 1. E. Lynch A. Cat. 4 (5); Bol. Acad. Nac. Cient. vi, 112, 5. F. Lynch A. Dipt. Arg. Culicidæ, 60, pl. iii, f. 1. Will. Dipt. St. Vincent. 272.

Culex fasciatus Wied. Auss. zw. Ins. i, 8, 13 (nec Fabr. F. Lynch A.).

Culex frater Rob. Aesv. Essai. Osten Sacken, Cat. 1878, 19 (F. Lynch A.).—West Indies, Cuba, Jamaica, St. Vincent, Argentina.

ochripes Macq. Dipt. Suppl. iv, 315, pl. v, f. 1.—America meridionalis.

pictipennis Phil. chil. Dipt. 596. —Chile.

pipiens L. Rond. Esame Ditt. Bras. 49.—Brazil.

scapularis Rond. Esame Ditt. Bras. 49.—Brazil.

trichopygus Wied. Auss. zw. Ins. i, 4, 6.—Brazil.

toxorhynchus Macq. Dipt. Exot. i, 1, 38.—Brazil or Chile.

variegatus Blanch. Gay. Hist. Chil. Zool. vii, 333, Phil. chil. Dipt. 595.—Chile.

violaceus Hgg. Wied. Auss. zw. Ins. i, 3, 4.—Brazil.

sp. Will. Dipt. St. Vincent,—St. Vincent.

ÆDES.

Meigen, Syst. Besch. i, 13, 1818.

pertinans Will. Dipt. St. Vincent, 271, pl. viii, f. 29, 29a.—St. Vincent.

squamipennis F. Lynch A. Nat. Arg. i, 151, 3; id. Dipt. Arg. Culicidæ, 62, pl. ii, f. 8. E. Lynch A. Cat. 115 (7).—Argentina.

URANOTÆNIA.

F. Lynch A. Dipt. Argentina, Culicidæ, 63, 1891.

nataliæ F. Lynch A. Dipt. Arg. Culicidæ, 64.—Argentina.

pulcherrima F. Lynch A. Dipt. Arg. Culicidæ, 65, pl. iv, f. 4.—Argentina.

SABETHES.

Rob. Desv. Essai Tribu Culicidæ, 1827.

longipes Fabr. Syst. Antl. iv, 400, 2 (*Culex*). Wied. Auss. zw. Ins. i, 11, 546. Macq. Hist. Nat. Dipt. i, 386, 16; id. Dipt. Exot. i, 38, 3, pl. i, f. 2; id. Suppl. i, 136, pl. i, f. 2. F. Lynch A. Dipt. Arg. Culicidæ, 67.

(?) *Culex remipes* Wied. Auss. zw. Ins. i, 573. Macq. Hist. Nat. Dipt. i, 37, 18. Schiner, Dipt. Novara, 31, 5 (F. Lynch A.).

Sabethes locuples Rob. Desv. Essai Culicidæ (F. Lynch A.).—America meridionalis, Brazil, Guiana.

* Lynch states that this species may be identical with *Culex flavipes* Macq.

SPECIES DESCRIBED BY WALKER.*

Culex exagitans Walk. Dipt. Saund. v, 430.—Para.

Culex flavicosta Walk. Dipt. Saund. v, 431.—Amazon region.

Culex perterrens Walk. Dipt. Saund. v, 431.—South America.

Culex terreus Walk. Dipt. Saund. v, 429.—South America.

Sabethes scintillans Walk. List, i, 2.—Para.

Family CHIRONOMIDÆ.

TETRAPHORA.

Philippi, chil. Dipt. 630, 1865.

fusca Phil. chil. Dipt. 630, pl. xxiv, f. 15.—Chile.

PENTANEURA.

Philippi, chil. Dipt. 629, 1865.

grisea Phil. chil. Dipt. 630. — Chile.

SPANIOTOMA.

Philippi, chil. Dipt. 629, 1865.

bivittata Phil. chil. Dipt. 629.—Chile.

unicolor Phil. chil. Dipt. 629.—Chile.

PSYCHOPHÆNA.

Philippi, chil. Dipt. 628.

pictipennis Phil. chil. Dipt. 628.—Chile.

TELMATOGEN.

Schiner, Dipt. Novara, 25, 1868.

st. pauli Schiner, Dipt. Novara, 25.—Island of St. Paul.†

CAMPTOCLADIUS.

Wulp, Tijdschr. Ent. 1874.

nigripectus Bigot, Dipt. Miss. Cap Horn, 2, pl. i, f. 1.—Cape Horn.

CHIRONOMUS.

Meigen, Illiger's Mag. ii, 260, 1803.

anonymus Will. Dipt. St. Vincent, 274.—St. Vincent.

antarcticus Walk. Trans. Linn. Soc. Lond. xvii, 332; id. List, i, 11, F. Lynch A. Cat. 7 (115).—Straits of Magellan, Patagonia.

articuliferus Blanch. Gay. Hist. Chil. Zool. vii, 336. Phil. chil. Dipt. 599.—Chile.

* *Culex viridifrons* Walk. List, i, 3, described without locality, may also belong to the South American fauna.

† Besides the island of this name, near the equator, off the coast of Brazil, there is another in the South Indian Ocean. There is some doubt as to which Schiner means.

- balteatus* Phil. chil. Dipt. 600.—Chile.
bonærens F. Lynch A. Exped. Rio Nigro. Zool. 88, 42; id. Stett. Ent. Zeit. xlvii, 189, 1881; id. Cat. 7 (115).
Chironomus proximus F. Lynch A. V. Berg. Stett. Ent. Zeit. 1881, 45. A change in name.—Argentina, Rio Colorado.
brasiliensis Wied. Auss. zw. Ins. i, 15, F. Lynch A. Cat. 7 (115).—Montevideo.
carbo Phil. chil. Dipt. 600.—Chile.
cinereus Phil. chil. Dipt. 601.—Chile.
delicatulus Phil. chil. Dipt. 600.—Chile.
eburneo-cinctus Phil. chil. Dipt. 599.—Chile.
ferrugineus Macq. Dipt. Exot. i, 1, 42.—Brazil.
holochlorus Phil. chil. Dipt. 600.—Chile.
innocuus Will. Dipt. St. Vincent, 274.—St. Vincent.
insignis Wied. Auss. zw. Ins. i, 547.—Brazil.
læteo-cinctus Phil. chil. Dipt. 600.—Chile.
lateralis Walk. Trans. Lin. Soc. Lond. xvii, 332. F. Lynch, Cat. 115 (7).—Straits of Magellan.
lindygii Schiner, Dipt. Novara, 26.—Columbia.
longimanus Will. Dipt. St. Vincent, 264, pl. ix, f. 33.—St. Vincent.
lugubris Will. Dipt. St. Vincent, 274.—St. Vincent.
maculatus Fabr. Ent. Antl. 40, 8. Wied. Auss. zw. Ins. i, 17.—South America.
maculipennis Blanch. Gay. Hist. Chil. Zool. vii, 335. Phil. chil. Dipt. 598.—Chile.
melas Phil. chil. Dipt. 600.—Chile.
obscorellus Blanch. Gay. Hist. Chil. Zool. vii, 336. Phil. chil. Dipt. 599.—Chile.
pallidulus Blanch. Gay. Hist. Chil. Zool. vii, 335. Phil. chil. Dipt. 598.—Chile.
pica Phil. chil. Dipt. 600.—Chile.
pictipennis Phil. chil. Dipt. 599.—Chile.
punctulatus Phil. chil. Dipt. 599.—Chile.
spilopterus Will. Dipt. St. Vincent, 273, pl. ix, f. 32.—St. Vincent.
tessellatus Blanch. Gay. Hist. Chil. Zool. vii, 336. Phil. chil. Dipt. 599.—Chile.
trimaculatus Macq. Dipt. Exot. i, 1, 41.—Brazil.
villosus Bigot, Dipt. Miss. Cap Horn, 3.—Cape Horn.
sp. Will. Dipt. St. Vincent, 275.—St. Vincent.

PODONOMUS.

Philippi, chil. Dipt. 601, 1865.

- stigmaticus* Phil. chil. Dipt. 602, pl. xxiii, f. 10.—Chile.

ORTHOCLADIUS.

Wulp, Tijdschr. Ent. 1874.

- debilis* Will. Dipt. St. Vincent, 275, pl. ix, f. 34.—St. Vincent.

TANYPUS.

Meigen, Illiger's Mag. ii, 261, 1893.

- flaveolus* Will. Dipt. St. Vincent, 275.—St. Vincent.
indecisus Will. Dipt. St. Vincent, 276, pl. ix, f. 35.—St. Vincent.

pilosus Bigot. Dipt. Miss. Cap. Horn, 3, pl. i, f. 2.—Cape Horn.

pubicornis Fabr. Syst. Antl. 43, 23 (*Chironomus*). Wied. Auss. zw. Ins. i, 18.
E. Lynch A. Cat. 7 (115).—South America, Buenos Aires.

CERATOPOGON.

Meigen, Illiger's Mag ii, 1803.

chilensis Phil. chil. Dipt. 601.—Chile.

decor Will. Dipt. St. Vincent, 281, pl. ix, f. 45.—St. Vincent.

eriphorus Will. Dipt. St. Vincent, 279, pl. ix, f. 40, *a, b*.—St. Vincent.

flavus Will. Dipt. St. Vincent, 280, pl. ix, f. 42, 42*a*.—St. Vincent.

lituratus Will. Dipt. St. Vincent, 281.—St. Vincent.

longicornis Will. Dipt. St. Vincent, 280, pl. ix, f. 43, 43*a*.—St. Vincent.

lotus Will. Dipt. St. Vincent, 282, pl. ix, f. 47.—St. Vincent.

maculithorax Will. Dipt. St. Vincent, 277, pl. ix, f. 36.—St. Vincent.

phlebotomus Will. Dipt. St. Vincent, 281, pl. ix, f. 46, 46*a*.—St. Vincent.

propinguus Will. Dipt. St. Vincent, 279, pl. ix, f. 41, 41*a*.—St. Vincent.

pygmæus Will. Dipt. St. Vincent, 278, pl. ix, f. 37.—St. Vincent.

sequax Will. Dipt. St. Vincent, 292, pl. ix, f. 48.—St. Vincent.

thersites Will. Dipt. St. Vincent, 280, pl. ix, f. 44.—St. Vincent.

venustulus Will. Dipt. St. Vincent, 278, pl. ix, f. 38, *a, b*.—St. Vincent.

HEPTAGYIA.

Philippi, Chil. Dipt. 635, 1865.

annulipes Phil. l. c., 635, pl. xxiv, f. 16. —Chile.*

Family PSYCHODIDÆ.

PSYCHODA.

Latreille, Precis. 1896.

alternata Say, Long's Exped. App. 358; id. Compl. Wrts. i, 242. Wied. Auss. zw. Ins. i, 23. Will. Ent. News, iv, 114; id. Dipt. St. Vincent, 283, pl. ix, f. 48. Banks, Can. Ent. xxvi, 330.—New England States, Pennsylvania, South Dakota, Kansas, St. Vincent.

angustipennis Will. Dipt. St. Vincent, 285, pl. ix, f. 51.—St. Vincent.

antennalis Will. Dipt. St. Vincent, 283.—St. Vincent.

dubio Bigot, Dipt. Miss. Cap Horn, 4.—Cape Horn.

flmbriatissima Blanch. Gay. Hist. Chil. Zool. vii, 351. Phil. chil. Dipt. 631.—Chile.

hyalinata Blanch. Gay. Hist. Chil. Zool. vii, 351. Phil. chil. Dipt. 631. Bigot, Dipt. Miss. Cap Horn, 4.—Chile.

notata Blanch. Gay. Hist. Chil. Zool. vii, 551. Phil. chil. Dipt. 631.—Chile.

pallens Will. Dipt. St. Vincent, 283, pl. ix, f. 50, *a*.—St. Vincent.

pulla Rond. Dipt. Exot. 90 (*Psicoda*).—Chile.

punctata Phil. chil. Dipt. 631.—Chile.

7-punctata Phil. chil. Dipt. 631.—Chile.

stellulata Loew, Beitr. ii, 1.—Brazil.

tenella Phil. chil. Dipt. 631.—Chile.

* *Chironomus hilaris* Walk. List, No. 17, described without indication of locality, perhaps, belongs here also.

PERICOMA.

Walker, Ins. Brit. ii, 256, 1856.

albitarsis Will. Dipt. St. Vincent, 284, pl. ix, f. 55.—St. Vincent.*nigropunctata* Schiner, Dipt. Novara, 29.—Rio Janeiro.

Family DIXIDÆ.

DIXA.

Meigen, Syst. Besch. i, 2, 1818.

clavulus Will. Dipt. St. Vincent, 298, pl. x, f. 73.—St. Vincent.

Family TIPULIDÆ.

MEGISTOCERA.

Wiedemanni Auss. zw. Ins. i, 55, 1828.

braziliensis Wied. Auss. zw. Ins. i, 554. O. Sacken, Berl. Ent. Zeit. 1885, 184; id. 1887, 241.—Brazil.

n. sp. ? O. Sacken, Berl. Ent. Zeit. 1886, 161.—Brazil.

BRACHYPREMNA.

Osten Sacken, Berl. Ent. Zeit. 1886, 161.

breviventris Wied. Dipt. Exot. i, 43: id. Auss. zw. Ins. i, 47, 27 (*Tipula*). Osten Sacken, Berl. Ent. Zeit. 1886, 161.—Brazil.*dispellens* Walk. Trans. Ent. Soc. N. S. v, 333. Osten Sacken, Berl. Ent. Zeit. 1886, 161.—Surinam ?*manicata* Osten Sacken, Berl. Ent. Zeit. 1887, 241.—Brazil.*pictipes* Osten Sacken, Berl. Ent. Zeit. 1887, 239.—Brazil.*unicolor* Osten Sacken, Berl. Ent. Zeit. 1887, 239.—Porto Rico.

CTENOPHORA.

Meigen, Illiger's Mag. ii, 263, 1803.

fuscipennis Macq. Dipt. Exot. Suppl. i, 138, pl. i, f. 4. Osten Sacken, Berl. Ent. Zeit. 1886, 169, 172. Wulp, Tijdschr. Ent. xxiii, 157.—Brazil.*

PTILOGYNA.

Westwood, Zool. Journ. v, 440, pl. xxii, f. 14, 15.

flabellifer Loew, Linn. Ent. v, 392, pl. ii, f. 1-3. Osten Sacken, Berl. Ent. Zeit. 1886, 176, 178.—Brazil.

OZODICERA.

Macq. Dipt. Exot. i, 92, 1834. Osten Sacken, Berl. Ent. Zeit. 1886, 180.

apicalis Macq. Dipt. Exot. i, 1, 52, pl. iv, f. 1. Loew, Linn. Ent. v, 389. Osten Sacken, Berl. Ent. Zeit. 1886, 180.—Brazil.*argentina* Wulp, Tijdschr. Ent. xxiv, 147, pl. 15, f. 1, 2. Osten Sacken, Berl. Ent. Zeit. 1886, 180.—Argentina.

* Osten Sacken, l. c., doubts the propriety of considering this as a South American species.

- fumipennis* Loew, Linn. Ent. v, 389. Osten Sacken, Berl. Ent. Zeit. 1886, 180.
—South America.
- gracilis* Westwood, Zool. Journ. v, 450; id. Lond. and Edin. Phil. Mag. 1835, 281; id. Trans. Ent. Soc. Lond. v, 181, 380. Osten Sacken, Berl. Ent. Zeit. 1886, 181.—South America.
- griseipennis* Loew, Linn. Ent. v, 389. Osten Sacken, Berl. Ent. Zeit. 1886, 181.—South America.
- pectinata* Wied. Dipt. Exot. i, 24, 4; id. Auss. zw. Ins. i, 47, 11 (*Tipula*). Loew. Linn. Ent. v, 389. Osten Sacken, Berl. Ent. Zeit. 1886, 181.—South America.
- simplex* Walk. Ins. Saund. 446 (*Ptilogyne*). Osten Sacken, Berl. Ent. Zeit. 1886, 181.—South America.
- xanthostoma* Loew, Linn. Ent. v, 389. Osten Sacken, Berl. Ent. Zeit. 1886, 180.—South America.

MACROMASTIX.

- Osten Sacken, Berl. Ent. Zeit. 1886, 185. N. n. pro *Macrothorax* Jaennicke, Neue Exot. Dipt. 11, pl. i, f. 2, 1867, preoccupied in Lioy I Ditteri, 1864, 261.
- chilensis* Phil. chil. Dipt. 617 (*Megistocera*). Osten Sacken, Berl. Ent. Zeit. 1886, 158, 185, 187.—Chile.

TIPULA.

Linne, Anim. per Sueciam obs. 1736.

- albifasciata* Macq. Dipt. Exot. i, 1, 62. Blanch. Gay. Hist. Chil. Zool. vii, 338. Phil. chil. Dipt. 604.—Chile.
- albirana* Wied. Auss. zw. Ins. ii, 615.—Surinam.
- albocostata* Macq. Dipt. Exot. Suppl. i, 143.—Santa Fe in Bogota.
- annulipes* Phil. chil. Dipt. 605.—Chile.
- apteroygne* Phil. chil. Dipt. 606.—Chile.
- concinna* Phil. chil. Dipt. 605.—Chile.
- decorata* Phil. chil. Dipt. 604.—Chile.
- elegans* Fabr. Syst. Antl. 28, 10. Wied. Dipt. Exot. i, 26, 6; id. Auss. zw. Ins. i, 50, 15.—South America.
- eluta* Schiner, Dipt. Novara, 35.—Chile.
- flavipennis* Phil. chil. Dipt. 607.—Chile.
- Frauenfeldi* Schiner, Dipt. Novara, 36.—Chile.
- glaphyroptera* Phil. chil. Dipt. 604.—Chile.
- graphica* Schiner, Dipt. Novara, 36.—South America.
- longipes* Fabr. Syst. Antl. 25, 7. Wied. Dipt. Novara, i, 41; id. Auss. zw. Ins. i, 43, 5.—South America.
- longitarsis* Macq. Dipt. Exot. Suppl. i, 145, pl. ii, f. 2.—Colombia.
- marmoripennis* Rond. Esap. Ditt. 194.—Venezuela.
- microcephala* Wulp, Tijdschr. Ent. xxiv, 150, pl. 15, f. 4.—Guadeloupe.
- moniliformis* Roeder, Dipt. Stübel, 5.—Ecuador.
- nidicornis* Macq. Dipt. Exot. i, 1, 59. E. Lynch A. Cat. 123 (15).—Brazil, Buenos Aires.
- nubifer* Wulp, Tijdschr. Ent. xxiv, 151, pl. 15, f. 6.—Buenos Aires.
- oblique-fasciata* Macq. Dipt. Exot. Suppl. i, 143, pl. i, f. 10.—New Granada.
- pallidinervis* Macq. Dipt. Exot. Suppl. i, 144, pl. ii, f. 1.—New Granada.

- Paulseni* Phil. chil. Dipt. 606.—Chile.
pictipennis Walk. Trans. Linn. Soc. London, xv.i, 333. F. Lynch A. Cat. 123 (15).—Straits of Magellan.
rufirostris Bigot, Dipt. Miss. Cap. Horn, 5, pl. i, f. 3.—Cape Horn.
rufitigmosa Macq. Dipt. Exot. i, 1, 60. Blanch. Gay. Hist. Chil. vii, 337, pl. i, f. 3. Phil. chil. Dipt. 604.—Chile.
seticornis Macq. Dipt. Exot. Suppl. i, 144, pl. i, f. 11. Walk. Dipt. Saund. 4, 443.—New Granada, Colombia.
spilota Wied. Auss. zw. Ins. i, 553.—Brazil.
subandina Phil. chil. Dipt. 605.—Chile.
subinfusata Will. Dipt. St. Vincent, 295, pl. x, f. 69.—St. Vincent.
trimaculata Macq. Dipt. Exot. i, 1, 59. Blanch. Gay. Hist. Chil. Zool. vii, 338, pl. i, f. 2. Philippi, chil. Dipt. 604.—Chile.
trina Wied. Analecta Ent. 11; id. Auss. zw. Ins. i, 41, 2.—Brazil.
valdiviana Phil. chil. Dipt. 606.—Chile.
vittigera Phil. chil. Dipt. 607.—Chile.

PACHYRRHINA.

Macq. Hist. Nat. Dipt. i, 88, 1834.

- brasiliensis* Wied. Auss. zw. Ins. i, 554, pl. v, f. 13, 14 (*Megistocera*). Osten Sacken, Berl. Ent. Zeit. 1886, 188.—Brazil.
elegans Fabr. Syst. Antl. 26, 10 (*Tipula*). Wied. Dipt. Exot. i, 26, 6 (*Tipula*); id. Auss. zw. Ins. i, 50, 15 (*Tipula*). Schiner, Dipt. Novara, 34. Wulp, Tijdschr. Ent. xxiv, 152.—South America, Argentina.
elegantula Will. Dipt. St. Vincent, 295, pl. x, f. 70.—St. Vincent.
pulchella Rond. Oss. Esap. Ditt. 195.—Insulae St. Sebastiani.
punctifrons Macq. Dipt. Exot. i, 1, 53. F. Lynch A. Cat. 124 (16).—Brazil, Buenos Aires.

NEPHROTOMA.

Bigot, Dipt. Miss. Cap. Horn, 1883.

- varineura* Bigot, Dipt. Miss. Cap. Horn, 6, pl. i, f. 4.—Cape Horn.

DICRANOMYIA.

Stephens, Cat. Brit. Ins. 1826.

- sp. ? Roeder, Dipt. Stubel, 5.—Ecuador.

GERANOMYIA.

Haliday, Ent. Mag. 1, 154, 1833.

- Aprosia* Macq. 1838 (Osten Sacken).
Plettusa Phil. 1865 (Osten Sacken).
Limnobiorrhynchus Westw. Ann. Soc. Ent. Fr. 1835, 683 (Osten Sacken, Berl. Ent. Zeit. 1886, 257).
canadensis Westwood, Osten Sacken, Mongr. iv, 80; id. Cat. 1878, 25, F. Lynch A. Cat. 121 (13).
Limnobiorrhynchus canadensis Westw. Lond. and Edinb. Phil. Mag. Ser. iii, vi; id. Isis, ii (1838).
Geranomyia communis Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859, 207 (F. Lynch A.).—Canada, United States, Buenos Aires.
fulvithorax Phil. chil. Dipt. 589.—Chile.

pallida Will. Dipt. St. Vincent, 284, pl. ix, f. 43.—St. Vincent.

rostrata Say, Journ. Acad. Nat. Sci. Phil. iii, 22 (*Limnobia*). Wied. Auss. zw. Ins. i, 35 (*Limnobia*). Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859, 207; id. Mongr. iv. 79. Will. Dipt. St. Vincent, 285.—Atlantic States, Canada, Cuba, St. Vincent.

stigmatica Phil. chil. Dipt. 598 (*Plettusa*).—Chile.

testacea Phil. chil. Dipt. 598 (*Plettusa*). Chile.

virescens Phil. chil. Dipt. 597, pl. xxiii, f. 1 (*Plettusa*).—Chile.
sp. Will. Dipt. St. Vincent, 285.—St. Vincent.

RHIPIDIA.

Meigen, Syst. Besch. i, 1818.

bipectinata Will. Dipt. St. Vincent, 285, pl. ix, f. 54.—St. Vincent.

costalis Will. Dipt. St. Vincent, 286, pl. ix, f. 56.—St. Vincent.

subpectinata Will. Dipt. St. Vincent, 287, pl. ix, f. 57; pl. x, f. 57a.—St. Vincent.

unipectinata Will. Dipt. St. Vincent, 286, pl. ix, f. 55.—St. Vincent.

sp. ? Will. Dipt. St. Vincent, 297, pl. x, f. 72, 72a.—St. Vincent.

PERIPHEROPTERA.

Schiner, Dipt. Novara, 47, 1868.

abberans Schiner, Dipt. Novara, 43 (*Rhamphidiu*). Osten Sacken, Berl. Ent. Zeit. 1887, 258.—South America.

incommoda Osten Sacken, Berl. Ent. Zeit. 1887, 260.—Brazil.

nitens Schiner, Dipt. Novara, 47. Osten Sacken, Berl. Ent. Zeit. 1887, 259.—Colombia.

Schineri Osten Sacken, Berl. Ent. Zeit. 1887, 261.—Brazil

LIMNOBIA.

Meigen, Syst. Besch. i, 92, 1818.

acrostacta Wied. Dipt. Exot. i, 14, 4; id. Auss. zw. Ins. i, 26. Macq. Dipt. Exot. Suppl. i, 146, pl. ii, f. 6.—Java (Wied), Brazil ? (Macq.).

adspersa Wied. Auss. zw. Ins. i, 550.—Brazil.

bifasciata Fabr. Syst. Antl. 31, 38 (*Tipula*). Wied. Auss. zw. Ins. i, 36, 22.—South America.

caminaria Wied. Auss. zw. Ins. i, 31, 13.—Brazil.

chlorotica Phil. chil. Dipt. 614.—Chile.

decasbila Wied. Auss. zw. Ins. i, 549.—Brazil.

diva Schiner, Dipt. Novara, 46.—Brazil.

elquiensis Blanch. Gay. Hist. Chil. Zool. vii, 341. Phil. chil. Dipt. 612.—Chile.

erythrocephala Fabr. Syst. Antl. 31, 35 (*Tipula*). Wied. Auss. zw. Ins. i, 30, 11.—South America.

fasciolaris Wied. Auss. zw. Ins. i, 552.—Brazil.

flaviceps Wied. Auss. zw. i, 550. Walk. Dipt. Saund. v, 436.—Brazil.

flavida Phil. chil. Dipt. 612.—Chile.

flavithorax Wied. Auss. zw. Ins. i, 37, 23.—Brazil.

guttata Phil. chil. Dipt. 613.—Chile.

infumata Phil. chil. Dipt. 613.—Chile.

insularis Will. Dipt. St. Vincent, 287, pl. x, f. 58.—St. Vincent.

lineicollis Blanch. Gay. Hist. Chil. Zool. vii, 341. Phil. chil. Dipt. 612. Bigot, Dipt. Miss. Cap Horn, 8.—Chile.

- longicollis* Bigot, Dipt. Miss. Cap Horn, 8, pl. ii, f. 2.—Cape Horn.
longimana Fabr. Syst. Antl. 26, 11 (*Tipula*). Wied. Dipt. i, 13, 2; id. Auss. zw. Ins. i, 24, 2.—South America.
maculata Fabr. Syst. Antl. 30, 29 (*Tipula*). Wied. Auss. zw. Ins. i, 29, 10.—South America.
melanacra Wied. Auss. zw. Ins. i, 548.—Brazil.
melanocephala Fabr. Ent. Syst. iv. 241, 33; id. Syst. Antl. 30, 32 (*Tipula*). Wied. Dipt. Exot. i, 18, 8; id. Auss. zw. Ins. i, 34, 18, 548.—Cayenne.
multipunctata Fabr. Syst. Antl. 31, 19. Wied. Auss. zw. Ins. i, 575.—South America.
nigrina Wied. Auss. zw. Ins. i, 37, 24.—Brazil.
obscura Fabr. Syst. 27, 18 (*Tipula*). Wied. Dipt. Exot. i, 12, 1; id. Auss. zw. Ins. i, 24, 1.—South America.
ocellata Roeder, Dipt. Stuebel, 5.—Ecuador.
ornatipennis Blanch. Hist. Chil. Zool. vii, 342. Phil. chil. Dipt. 612.—Chile.
pallida Macq. Dipt. Exot. i, 1, p. 76. Blanch. Gay. Hist. Chil. Zool. vii, 340. Phil. chil. Dipt. 612.—Chile.
phatta Phil. chil. Dipt. 614.—Chile.
polysticta Phil. chil. Dipt. 613.—Chile.
punctatissima Wied. Auss. zw. Ins. i, 30, 12.—Brazil.
simplex Wied. Auss. zw. Ins. i, 549.—Brazil.
stictica Blanch. Gay. Hist. Chil. Zool. vii, 342. Phil. chil. Dipt. 612.—Chile.
stigmatica Blanch. Gay. Hist. Chil. Zool. vii, 841. Phil. chil. Dipt. 612.—Chile.
tænioptera Wied. Auss. zw. Ins. i, 28, 9.—Brazil.
varia Wied. Auss. zw. Ins. i, 573.—Brazil.
venezuelenis Macq. Dipt. Exot. Suppl. i, 147, pl. ii, f. 7.—Venezuela.
vernalis Phil. chil. Dipt. 612.—Chile.
 sp. ? Roeder, Dipt. Stuebel, 5.—Ecuador.

RHAMPHIDA.

Meigen, Syst. Besch. vi, 281, 1830.

- albitarsis* Osten Sacken, Berl. Ent. Zeit. xxxi, 184, 1887. Will. Dipt. St. Vincent, 288, pl. x, f. 59, 59a.—Porto Rico, St. Vincent.
scapularis Macq. Dipt. Exot. i, 1, 77, pl. x, f. 1.—Brazil.

ELEPHANTOMYIA.

Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859.

- longirostris* Will. Dipt. St. Vincent, 288.—St. Vincent.

TOXORRHINA.

Loew, Linn. Ent. v, 400, T. ii, f. 17, 1851.

- brasiliensis* Westw. Trans. Ent. Soc. Lond. 1881, 385 (*Limnobia rhynchus*). Osten Sacken, Berl. Ent. Zeit. 1887, 257.—Brazil.

DIOTREPHA.

Osten Sacken, Cat. N. A. Dipt. 1878, 27, 219, note, 28.

- concinna* Will. Dipt. St. Vincent, 291, pl. x, f. 66.
 ? *mirabilis* Osten Sacken, Cat. Dipt. 1878, 220. Will. Dipt. St. Vincent, 291, pl. x, f. 65, 65a. Georgia, Texas, Cuba, St. Vincent.

ELLIPTERA.

Schiner, Wien. Ent. Monatschr. vii, 222, 1863.

? sp. Will. Dipt. St. Vincent, 290, pl. x, f. 64.—St. Vincent.

ATABARBA.

Osten Sacken, Mongr. N. A. Tipulidæ, iv, 127, 1868.

pleuralis Will. Dipt. St. Vincent, 289, pl. x, f. 61, a, b, c.—St. Vincent.

puella Will. Dipt. St. Vincent, 288, pl. x, f. 60.—St. Vincent.

TEUCHOLABIS.

Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859.

annulata Will. Dipt. St. Vincent, 290, pl. x, f. 63.—St. Vincent.

complexa Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859, 223; id. Mongr. iv, 129. Will. Dipt. St. Vincent, 289, pl. x, f. 62.—St. Vincent.

flavithorax Wied. Auss. zw. Ins. i, 37, 23 (*Limnobia*). Schiner, Dipt. Novara, 43.—South America.

morionella Schiner, Dipt. Novara, 47 (*Limnobia*). Osten Sacken, Mongr. iv, 57; id. Berl. Ent. Zeit. xxxi, 1887, 257.—South America.

polita Osten Sacken, Berl. Ent. Zeit. 1887, 273.

spiniger Schiner, Dipt. Novara, 44.—Colombia.

PARATROPESA.

Schiner, Verh. Z. B. Ges. 1866, 932.

collaris Osten Sacken, Berl. Ent. Zeit. 1887, 274.—Amazon.

singularis Schiner, Dipt. Novara, 46.—Colombia.

POLYMORIA.

Philippi, Verh. Z. B. Ges. 1865, 615.

inerea Phil. chil. Dipt. 609.—Chile.

irrorata Phil. chil. Dipt. 608, pl. xxiii, f. 3.—Chile.

lutea Phil. chil. Dipt. 608.—Chile.

punctipennis Phil. chil. Dipt. 609.—Chile.

tenella Phil. chil. Dipt. 609.—Chile.

LACHNOCERA.

Philippi, Verh. Z. B. Ges. 1865, 615.

delicatula Phil. chil. Dipt. 616, pl. xxiii, f. 5.—Chile.

ERIOPTERA.

Meigen, Illiger's Mag. ii, 1803.

annulipes Phil. chil. Dipt. 294.—Chile.

caloptera Say, Journ. Acad. Nat. Sci. Phil. iii, 17; id. Compl. Wrts. ii, 44. Wied. Auss. zw. Ins. i, 23. Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859, 226; id. Mongr. iv, 161, pl. iv. f. 15. Will. Dipt. St. Vincent, 294.—Atlantic States, Kansas, Colorado, Canada, Cuba, St. Vincent.

hirsutipes Macq. in Webb et Berth. Hist. Nat. des Canaries, 1835; id. Dipt. Exot. i, 1, 69 (*Limnobia*). F. Lynch A. Cat. 121, 13 (*Mesocyphona*).

Limnobia reciproca Walk. List, i, 50 (F. Lynch A.).

? *Limnobia obscurata* Blanch. Gay. Hist. Chil. Zool. vii, 343. Phil. chil. Dipt. 612 (F. Lynch A.).

Ilisia hirsutipes Macq. Rond. Dipt. Exot. 91 (F. Lynch A.).

? *Limnophila trichopus* Phil. chil. Dipt. 610 (F. Lynch A.).—Canaries, Montevideo, Chile, Buenos Aires.

? *longipes* Phil. chil. Dipt. 616.—Chile.

? *pallida* Phil. chil. Dipt. 616.—Chile.

uniformis Blanch. Gay. Hist. Chil. Zool. vii, 343. Phil. chil. Dipt. 616.—Chile.

GONIOMYIA.

Megerle, apud Meigen, Syst. Besch. i, 146, 1818.

? *antarctica* Walk. Trans. Linn. Soc. Lond. xvii, 332. F. Lynch A. Cat. 123 (15).—Straits of Magellan.

TRIMICRA.

Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1861, 290; id. Mongr. iv, 165, pl. ii, f. 1.

antarctica Schiner, Dipt. Novara, 42.—Island of St. Paul.

st. pauli Schiner, Dipt. Novara, 43.—St. Paul.

SYMPLECTA.

Meigen, Syst. Besch. vi, 282, 1830.

Ideoneura Phil. Verh. Z. B. Ges. 1865, 615, pl. xxiii, f. 4. Preoc. Selys, Neuropt. (O. S.).

Helobia St. Farg. Encycl. Meth. x, 385, 1825 (O. S.).

macroptera Phil. chil. Dipt. 615, pl. xxiii, f. 4 (*Ideoneura*). Osten Sacken, Berl. Ent. Zeit. 1887, 197.—Chile.

GNOPHOMYIA.

Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859; id. Mongr. iv, 172, pl. ii, f. 5, pl. iv, f. 19, 19a.

Furina Jaenn. Neue Exot. Dipt. 318, 1867 (O. S.).

caloptera Osten Sacken, Berl. Ent. Zeit. 1887, 284.—Brazil.

fascipennis Osten Sacken, Berl. Ent. Zeit. 1887, 283.—Amazon.

rufithorax Wied. Auss. zw. Ins. i, 548 (*Limnobia*).—Brazil.

MONOGOMA.

Westwood, Trans. Ent. Soc. Lond. 1881, 364. Will. Dipt. St. Vincent, 291.

manca Will. Dipt. St. Vincent, 293.—St. Vincent.

pallida Will. Dipt. St. Vincent, 293, pl. x, f. 69.—St. Vincent.

SIGMATOMERA.

Osten, Sacken, Mongr. iv, 137, 1869.

amazonica Westw. Trans. Ent. Soc. Lond. 1881, 366, pl. 17, f. 3. Osten Sacken, Berl. Ent. Zeit. 1887, 289.—Brazil.

LECTERIA.

Osten Sacken, Berl. Ent. Zeit. 1887, 207.

circinata Osten Sacken, Berl. Ent. Zeit. 1887, 292.—South America.

delicatula Osten Sacken, Berl. Ent. Zeit. 1887, 893.—Colombia.

histrion Schiner, Dipt. Novara, 41.—Colombia.

Sackeni Will. Dipt. St. Vincent, 294, pl. x, f. 68.—St. Vincent.

solatrix Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859, 238 (*Limnophila*). F. Lynch A. Cat. 122 (14).—Brazil, Buenos Aires, United States, N. A.

POECILOSTOLA.

Bigot, Dipt. Miss. Cap Horn, 1883.

flavicauda Bigot, Dipt. Miss. Cap Horn, 10, pl. ii, f. 4.—Cape Horn.

LIMNOPHILA.

Macquart, Hist. Nat. Dipt. i, 1834.

apoecila Phil. chil. Dipt. 611.—Chile.*chilensis* Blanch. Gay. Hist. Chil. Zool. vii, 339. Phil. chil. Dipt. 610.—Chile.*cineracea* Phil. chil. Dipt. 611.—Chile.*eutæniata* Bigot, Dipt. Miss. Cap Horn, 9, pl. ii, f. 3.—Cape Horn.*? pallens* Phil. chil. Dipt. 610.—Chile.*stigmatica* Phil. chil. Dipt. 610.—Chile.*trichopus* Phil. chil. Dipt. 610.—Chile.*venosa* Phil. chil. Dipt. 611.—Chile.*verecunda* Phil. chil. Dipt. 611.—Chile.

CTEDONIA.

Philippi, chil. Dipt. 602, 1865. Osten Sacken, Berl. Ent. Zeit. 1886, 178.

bicolor Phil. chil. Dipt. 603, pl. xxiii, f. 2. Osten Sacken, Berl. Ent. Zeit. 1886, 179.—Chile.*bipunctata* Phil. chil. Dipt. 603.—Chile.*flavipennis* Phil. chil. Dipt. 602. Osten Sacken, Berl. Ent. Zeit. 1886, 179; id. 1887, 213.*? Gyroplistia fusca* Jaenn. Neue Exot. Dipt. 322 (Osten Sacken).—Valdivia.
pictipennis Phil. chil. Dipt. 603.—Valdivia.

POLYMERA.

Wied. Auss. zw. Ins. i, 57, 1828.

albitarsis Will. Dipt. St. Vincent, 296, pl. x, f. 71, 71a, 71b.—St. Vincent.*fusca* Wied. Dipt. Exot. i, 44, 5; id. Auss. zw. Ins. i, 58, 2, 554.—Brazil.*hirticornis* Fabr. Syst. Antl. 46, 39 (*Chironomus*). Wied. Dipt. Exot. i, 37 et 41; id. Auss. zw. Ins. i, 57, 1.—South America.*obscura* Macq. Dipt. Exot. i, 1, 69, pl. viii.—Brazil.

ISCHNOTHRIX.

Bigot, Dipt. Miss. Cap Horn, 1883.

ætherea Bigot, Dipt. Miss. Cap Horn, 7, pl. ii, f. 1.—Cape Horn.

ERIOCERA.

Macq. Dipt. Exot. i, 1, 74, pl. 10, f. 2, 1838. O. Sacken, Berl. Ent. Zeit. 1887, 220.

Eranioptera Guérin, Noy. Coq. Zool. ii, 287, pl. xx, f. 1838 (Osten Sacken).*Caloptera* Guérin, on the plate (Osten Sacken).*Ptericosmus* Walk. List. 1, 78, 1848 (Osten Sacken).*Allarthmia* Loew. Bernst. 1850, 38 (Osten Sacken).*Oligomera* Voleschall, Nat. Tijdschr. xiv, 387, pl. vii, f. 3, 1857 (Osten Sacken).*Physocrania* Bigot, Ann. Soc. Ent. Fr. 1859, 123, pl. iii, f. 1, 1859 (Osten Sacken).Ex parte *Arrnenica* Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859, 243 (Osten Sacken).

- caminaria** Wied. Auss. zw. Ins. i, 79, 3. Schiner, Dipt. Novara, 42.—Brazil.
erythrocephala Fabr. Syst. Antl. 31, 35 (*Tipula*). Wied. Auss. zw. Ins. i, 30, 11 (*Limnobia*). Macq. Dipt. Exot. i, 67, 1 (*Cylindrotoma*). Schiner, Dipt. Novara, 41.—South America.
fuliginosa Osten Sacken, Proc. Acad. Nat. Sci. Phil. 1859, 243; id. Mongr. iv. 255. Wulp. Tijdschr. Ent. xxiv, 153.—District of Columbia, Virginia; Colombia (Wulp).
nigra Wied. Auss. zw. Ins. i, 27, 6 (*Limnobia*). Macq. Dipt. Exot. i, 1, 79, pl. x, f. 2.—Brazil.

PENTHOPTERA.

Schiner, Wien. Ent. Monat. vii, 1863, 220.

- fuliginosa** Schiner, Dipt. Novara, 42. Colombia, Osten Sacken, Berl. Ent. Zeit. 1887, 224, surmises that this is a species of *Eriocera*.

AMALOPIS.

Hald. in Walk. Ins. Brit. Dipt. iii, xv, 1856. O. Sacken, Berl. Ent. Zeit. 1887, 227.

Crunobia Kolenati, Wien. Ent. Mon. iv, 391, 1860 (Osten Sacken).

Ex parte *Tricyphona* Zett. Ins. Lapp. 1840 (Osten Sacken).

Bophrosia Rond. Prodr. i, 1856, 183 (V. Osten Sacken, l. c.).

? *Nasterna* Wallengren, Ent. Tijdschr. 1881, 179, 191 (Osten Sacken).

pusilla Bigot, Dipt. Miss. Cap Horn, 10 (*Tricyphona*).—Cape Horn.

CYLINDROTOMA.

Macquart, Hist. Nat. Dipt. i, 1834.

- erythrocephala** Linn. Macq. Dipt. Exot. i, 1, 71.—Brazil.
hyaloptera Phil. chil. Dipt. 614.—Chile.
ruficornis Macq. Dipt. Exot. i, 2, 292.—Brazil.

PTYCHOPTERA.

Meigen, Illiger's Mag. 1803, ii, 262. Weyenbergh, Nap. La Republica Argentina, 1876, 167. Lynch, Bol. Acad. iv, 123. O. Sacken, Berl. Ent. Zeit. 1887, 227.

TANYDERUS.

Philippi, Verh. Z. B. Ges. 1865, 780, pl. xxix, f. 57.

pictus Phil. l. c. Osten Sacken, Berl. Ent. Zeit. 1887, 228.—Chile.

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- Geranomomyia pilipes* Walk. Dipt. Saund. v, 440.—Amazon.
Gonomyia ? *variegata* Walk. Trans. Linn. Soc. Lond. xvii, 333.—St. Paul in Brazil.
Limnobia calopus Walk. Dipt. Saund. v, 439.—South America.
 “ *chrysoptera* Walk. Dipt. Saund. v, 437.—South America.
 “ *reciproca* Walk. List, i, 50. Montevideo.
 “ *tenebrosa* Walk. Dipt. Saund. v, 439.—South America.
Pachyleptus fuscatus Walk. Dipt. Saund. v, 426.—South America.
Pilogyna simplex Walk. Dipt. Saund. v, 446.—South America.
Tipula filigera Walk. Dipt. Saund. v, 443.—South America.
 “ *gracilipes* Walk. Trans. Linn. Soc. Lond. xvii, 333.—St. Paul in Brazil.

The habitat of the following species is unknown; probably some of them are South American.

Ctenogyna bicolor Macq. Dipt. Exot. i, 1, 47, pl. ii, f. 2.

Limnobia bituberculata Macq. Dipt. Exot. i, 1, 76, pl. 6, f. 2.

Megistocera limbipennis Macq. Dipt. Exot. i, 1, 64.

Pachyrhina elongata Macq. Dipt. Exot. i, 1, 54, pl. iv, f. 2.

Ctenophora constans Walk. Dipt. Saund. v, 448.

NEMOCERA ANOMALA.

Family BIBIONIDÆ.

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Geoffroy, Hist. Nat. Ins. ii, 545. 1764.

atrata Say, Long's Exped. ii, App. x, 367; id. Compl. Wtrs. i, 250. Wied. Auss. zw. Ins. i, 71. Osten Sacken, Cat. 1878, 16. F. Lynch A. Nat. Arg. i, 299. F. Lynch A. Cat. 120 (12).

Scatopse recurva Loew. Linn. Ent. i, 330, pl. iii, t. 4. Sillim. Journ. xxxvii, 317 (E. Lynch A.).—Europe, United States, Buenos Aires.

carbonaria Phil. chil. Dipt. 640. F. Lynch A. Cat. 120 (12).

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carolina Blanch. Gay. Hist. Chil. Zool. vii, 359. Phil. chil. Dipt. 640.—Chile.

hyalinata Phil. chil. Dipt. 640.—Chile.

pallidipes F. Lynch A. Nat. Arg. i, 298; id. Cat. 120 (12).—Buenos Aires.

parvula Blanch. Hist. Chil. vii, 359. Phil. chil. Dipt. 640.—Chile.

pygmæa Loew, Centur. v, 13. Will. Dipt. St. Vincent, 269, pl. viii, f. 26.—St. Vincent, District of Columbia.

transatlantica Phil. chil. Dipt. 640.—Chile.

DILOPHUS.

Meigen, Illiger's Mag. ii, 264, 1803.

bicolor Wied. Dipt. Exot. 34; id. Auss. zw. Ins. i, 76. Macq. Dipt. Exot. i, 1, 89. F. Lynch A. Cat. 118 (10).—Montevideo (Macq.). Cape (Wied.).

collaris Guer. Icon. Regne, vii, 535, pl. 93, f. 7. F. Lynch A. Cat. 119 (11).

Dilophus thoracicus Guer. l. c. tab. aliq. exempl. Walk. List, 1, 118 (F. Lynch A.).—Montevideo.

giganteus Macq. Dipt. Exot. Suppl. i, 149, pl. ii, f. 2.—New Granada.

lucifer Schiner, Dipt. Novara, 18.—Colombia.

maculipennis Blanch. Gay. Hist. Chil. Zool. vii, 354. Phil. chil. Dipt. 635.—Chile.

nigripes Blanch. Gay. Hist. Chil. Zool. vii, 354. Phil. chil. Dipt. 635. Bigot. Dipt. Miss. Cap Horn, 17.—Chile.

pallidipennis Phil. chil. Dipt. 636.—Chile.

Paulseni Phil. chil. Dipt. 636.—Chile.

pectoralis Wied. Auss. zw. Ins. i, 76. F. Lynch A. Cat. 119 (11).

Dilophus similis Rond. Dipt. Aliquot. Oscul. 17, 39. F. Lynch A. Nat. Arg. i, 296 (F. Lynch A.).—Montevideo, Buenos Aires.

pictus Schiner, Dipt. Novara, 19.—Colombia.

- tapir* Schiner, Dipt. Novara, 18.—Colombia.
testaceipes Blanch. Gay. Hist. Chil. Zool. vii, 355. Phil. chil. Dipt. 635.—Coquimbo.
thoracicus Say, Jour. Acad. Sci. Phil. iii, 80. Wied. Auss. zw. Ins. i, 77. Osten Sacken, Cat. 1878, 16. Wulp, Tijdschr. Ent. xxiv, 146.—Pennsylvania, Maryland; Montevideo (Wulp).
trisulcatus Macq. Dipt. Exot. i, 1, 92. Wulp. Tijdschr. Ent. xxiv, 146.—Brazil, Argentina.
rufipes Blanch. Gay. Hist. Chil. Zool. vii, 355. Phil. chil. Dipt. 636.—Coquimbo.
valdivianus Phil. chil. Dipt. 636.—Chile.
vittatus Phil. chil. Dipt. 636.—Valdivia.

ACANTHOCNEMIS.

Blanch. Gay. Hist. Chil. Zool. vii, 355.

- ater* Phil. chil. Dipt. 638.—Chile.
bimaculatus Phil. chil. Dipt. 638.—Chile.
carbonarius Phil. chil. Dipt. 638.—Chile.
castanipes Bigot, Miss. Cap. Horn, 17.—Cape Horn.
dorsalis Phil. chil. Dipt. 639.—Chile.
ephippium Phil. chil. Dipt. 638.—Chile.
gagantinus Phil. chil. Dipt. 638.—Chile.
hyalipennis Blanch. Gay. Hist. Chil. Zool. vii, 358. Phil. chil. Dipt. 637.—Chile.
immaculatipennis Blanch. Gay. Hist. Chil. Zool. vii, 358. Phil. chil. Dipt. 637.—Chile.
lateralis Phil. chil. Dipt. 638.—Chile.
luteicollis Phil. chil. Dipt. 637.—Chile.
macrorhinus Macq. Dipt. Exot. i, 2, 294 (*Dilophus*). Blanch. Gay. Hist. Zool. 357, pl. i, f. 4. Phil. chil. Dipt. 637.—Coquimbo.
nigripennis Phil. chil. Dipt. 637.—Chile.
obscurus Blanch. Gay. Hist. Chil. Zool. vii, 357. Phil. chil. Dipt. 637.—Chile.
pallens Blanch. Gay. Hist. Chil. Zool. vii, 357. Phil. chil. Dipt. 637. Schiner. Dipt. Novara, 19 (*Dilophus*).—Chile, Colombia.
thoracicus Phil. chil. Dipt. 637.—Valdivia.
rubricollis Blanch. Gay. Hist. Chil. Zool. vii, 356. Phil. chil. Dipt. 637.—Chile.
rubripes Phil. chil. Dipt. 639.—Chile.

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nudioculatus Macq. Dipt. Exot. Suppl. ii, 1, 26.—Brazil.
subæqualis Rond. Dipt. Aliq. Oscul. 16, 38. F. Lynch A. Nat. Arg. i, 297. F. Lynch A. Cat. 118 (10).—Buenos Aires.
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vicinus F. Lynch A. Nat. Arg. i, 297. F. Lynch A. Cat. 118 (10).—Buenos Aires.

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Wied. Auss. zw. Ins. i, 72, 1823.

collaris Fabr. Syst. Antl. 54, 12 (*Hirtea*); Syst. Ant. 163, 32 (*Laphria thoracica*).
Wied. Dipt. Exot. i, 32, 3; id. Dipt. Auss. zw. Ins. i, 74. Rondani,
Esame Ditt. Bras. 48, xxx. Schiner, Dipt. Novara, 21. Walk. Trans.
Linn. Soc. Lond. xvii, 335. F. Lynch A. Cat. 118 (10).—S. America,
Colombia.

costalis Walk. Dipt. Saund. v. 422. Roeder, Dipt. Stuebel, 4.—Colombia, Ecuador.
costalis Wied. Auss. zw. Ins. ii, 618.—Brazil.

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femorata Macq. Dipt. Exot. i, 1, 90, pl. xii, f. 3.—Brazil.

funebria Fabr. Syst. Antl. 54, 14 (*Hirtea*). Wied. Dipt. Exot. 1, 32, 4; id. Auss.
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minor Jaennicke. Neue Exot. Dipt. 318.—Brazil.

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Mexico, Guatemala, Nicaragua, Panama.

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17. Bellardi, Ditt. Mess. i, 15, 2. Schiner, Dipt. Novara, 21. Osten
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HESPERINUS.

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* With reference to *P. rostellata* Loew (B. E. Z. ii, 107), states "der brasilianische *P. confusa* m. (*P. ruficollis* Fabr.) ähnlich." This is the only reference to *P. confusa* that I have been able to find

PENTHERA.

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NOTE.—For the much involved discussion resulting from the publication of this species the following works are the most important:

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